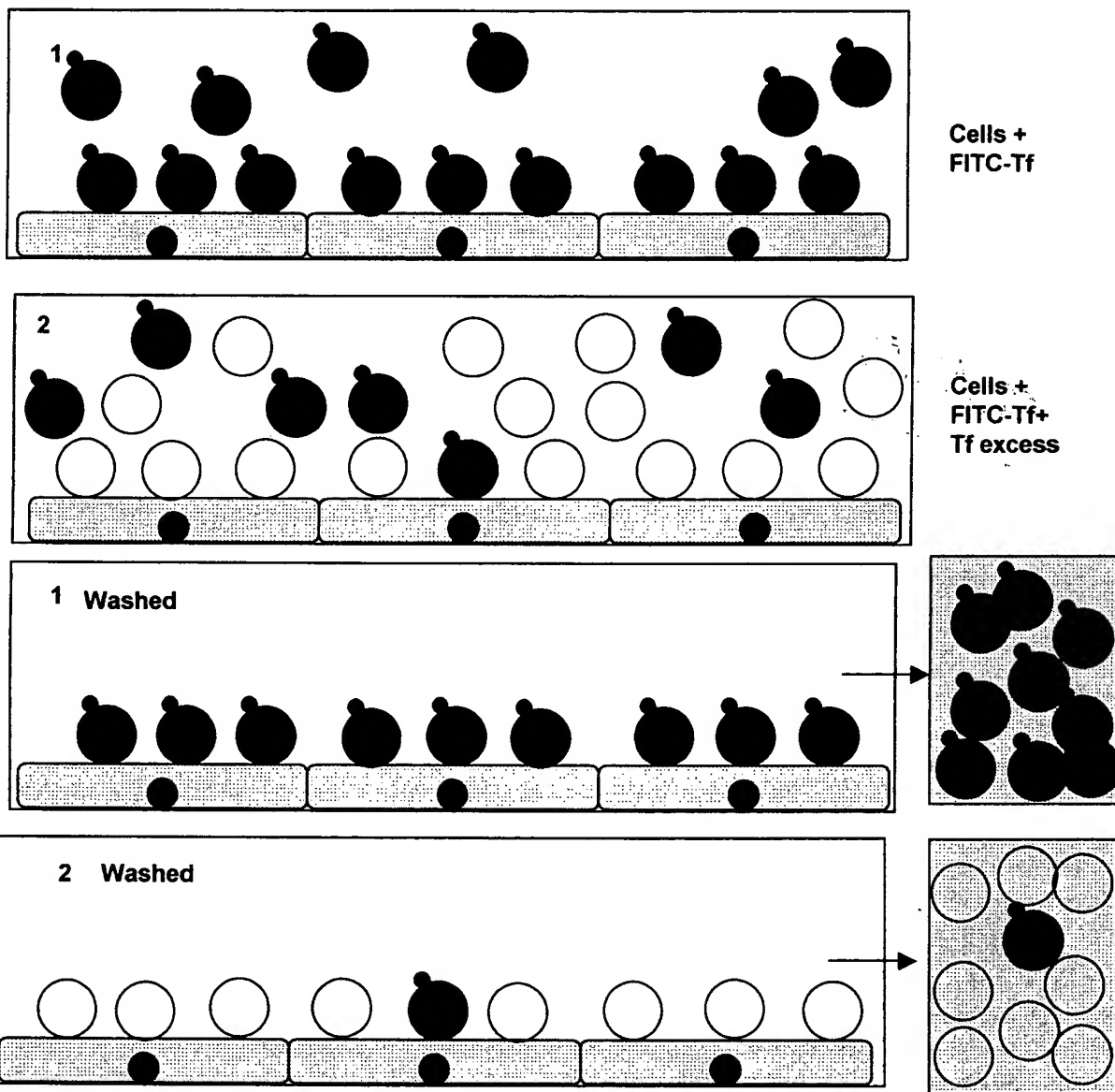


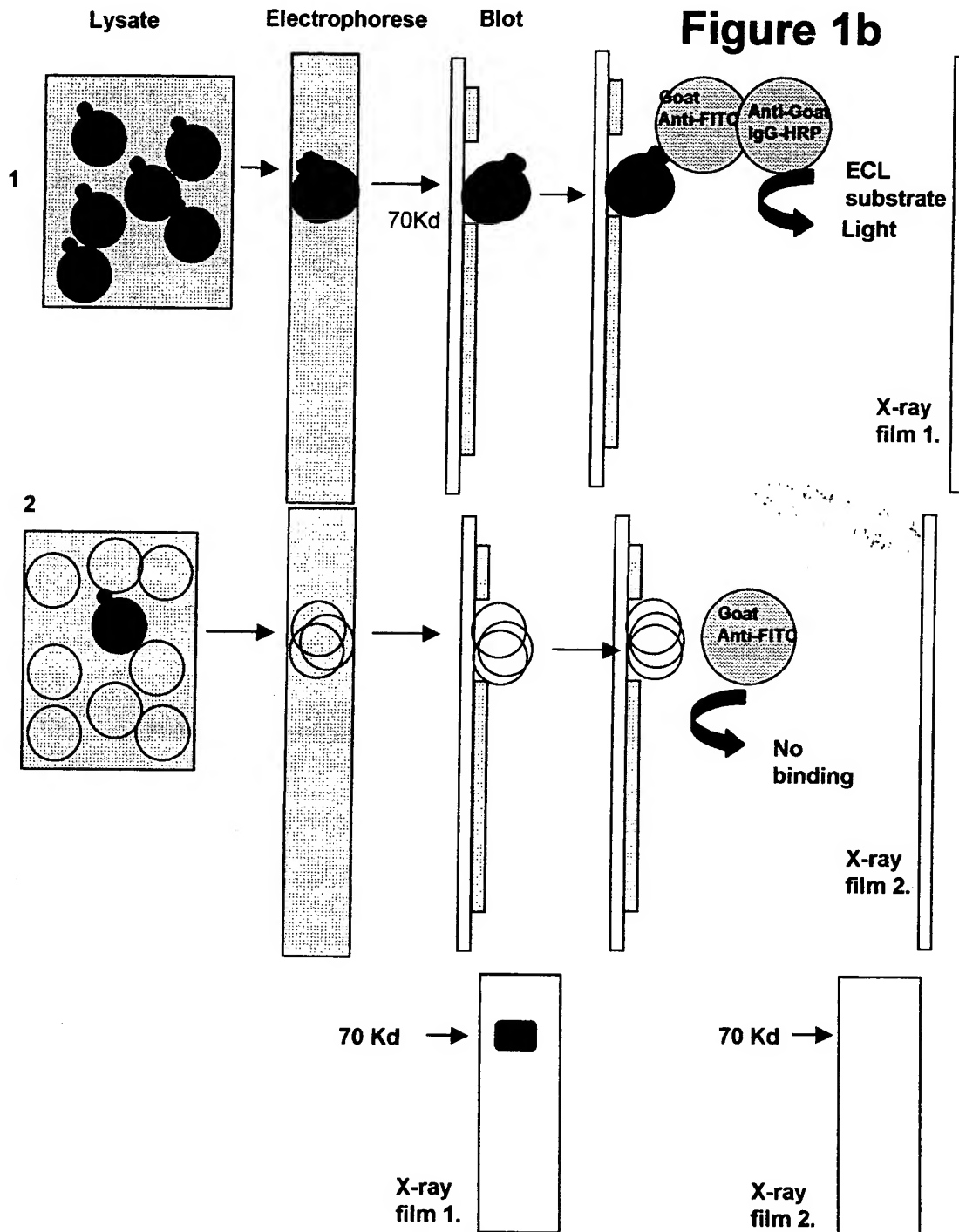
FITC-Tf   Tf  Cell

Figure 1a



Inventor: Philip Cavanaugh. **Application Number:** 10/002,690
Title: Method for the Detection and Measurement of Hapten-Conjugated Biological Binding Entities by Western and Dot Blot using Anti-Hapten Antibodies.
Text: 28 pages total. **Figures:** 12 pages total.
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2050E0 06920001



Inventor: Philip Cavanaugh. **Application Number:** 10/002,690
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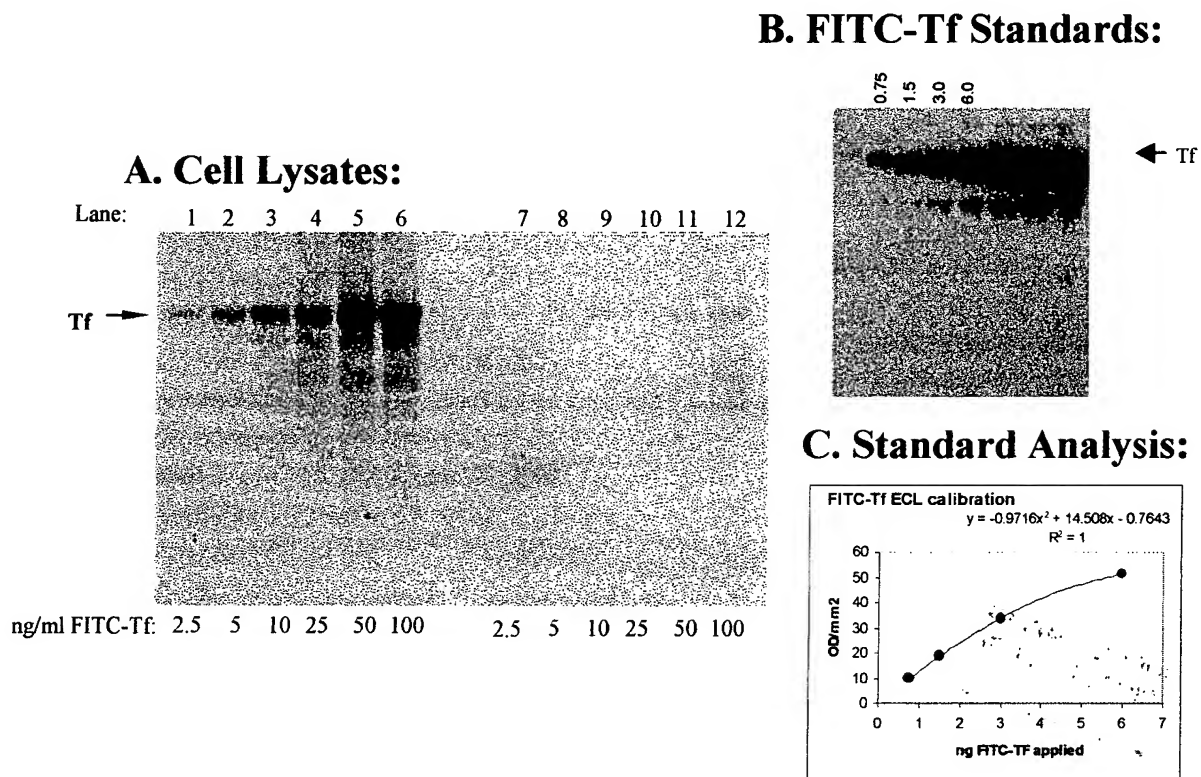


Figure 2.

Inventor: Philip Cavanaugh. **Application Number:** 10/002,690
Title: Method for the Detection and Measurement of Hapten-Conjugated Biological Binding Entities by Western and Dot Blot using Anti-Hapten Antibodies.
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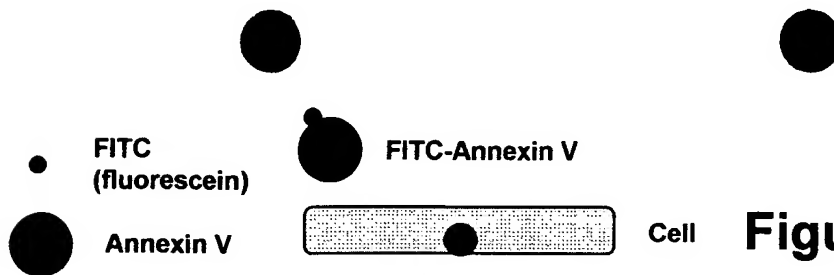
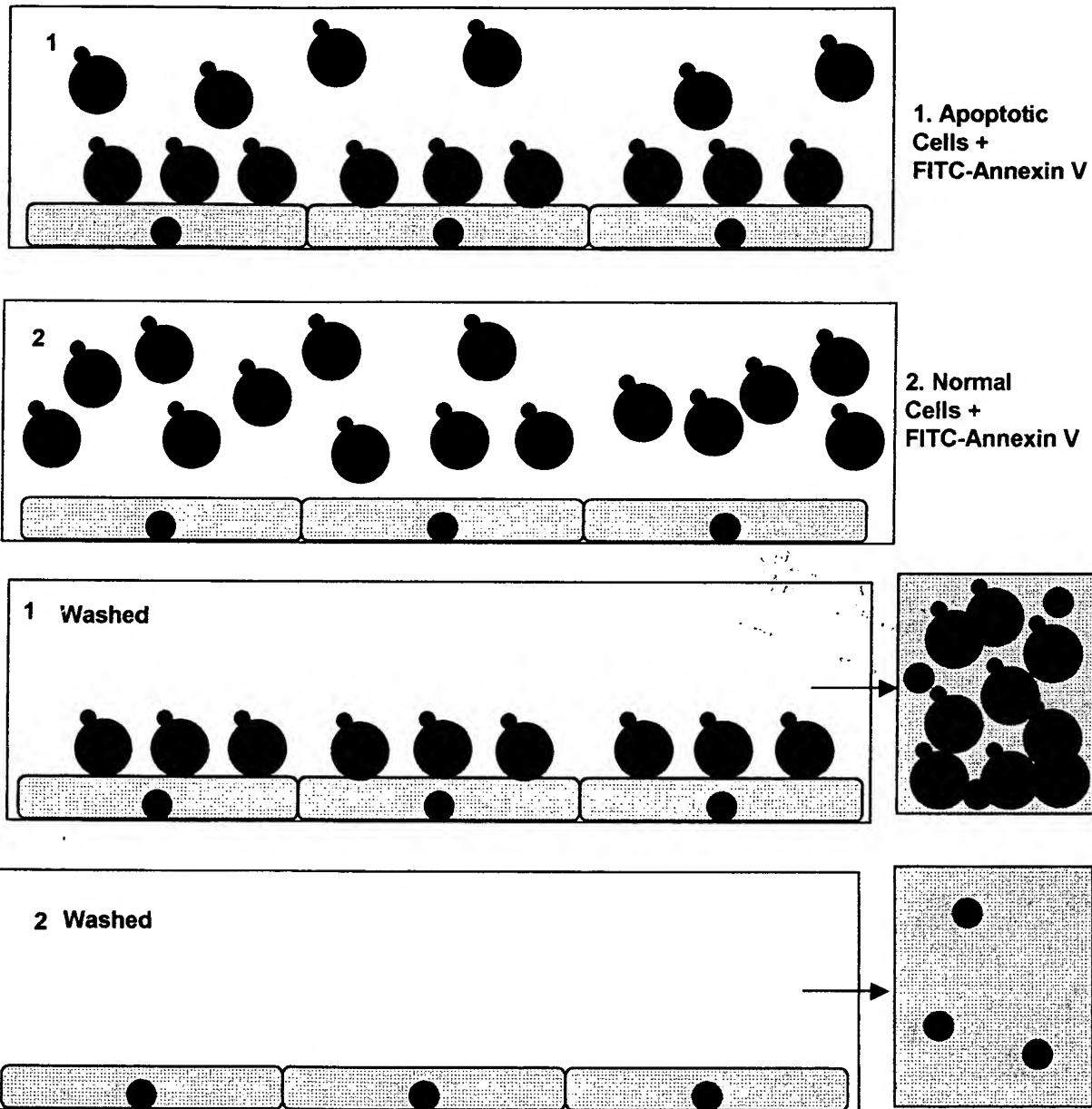
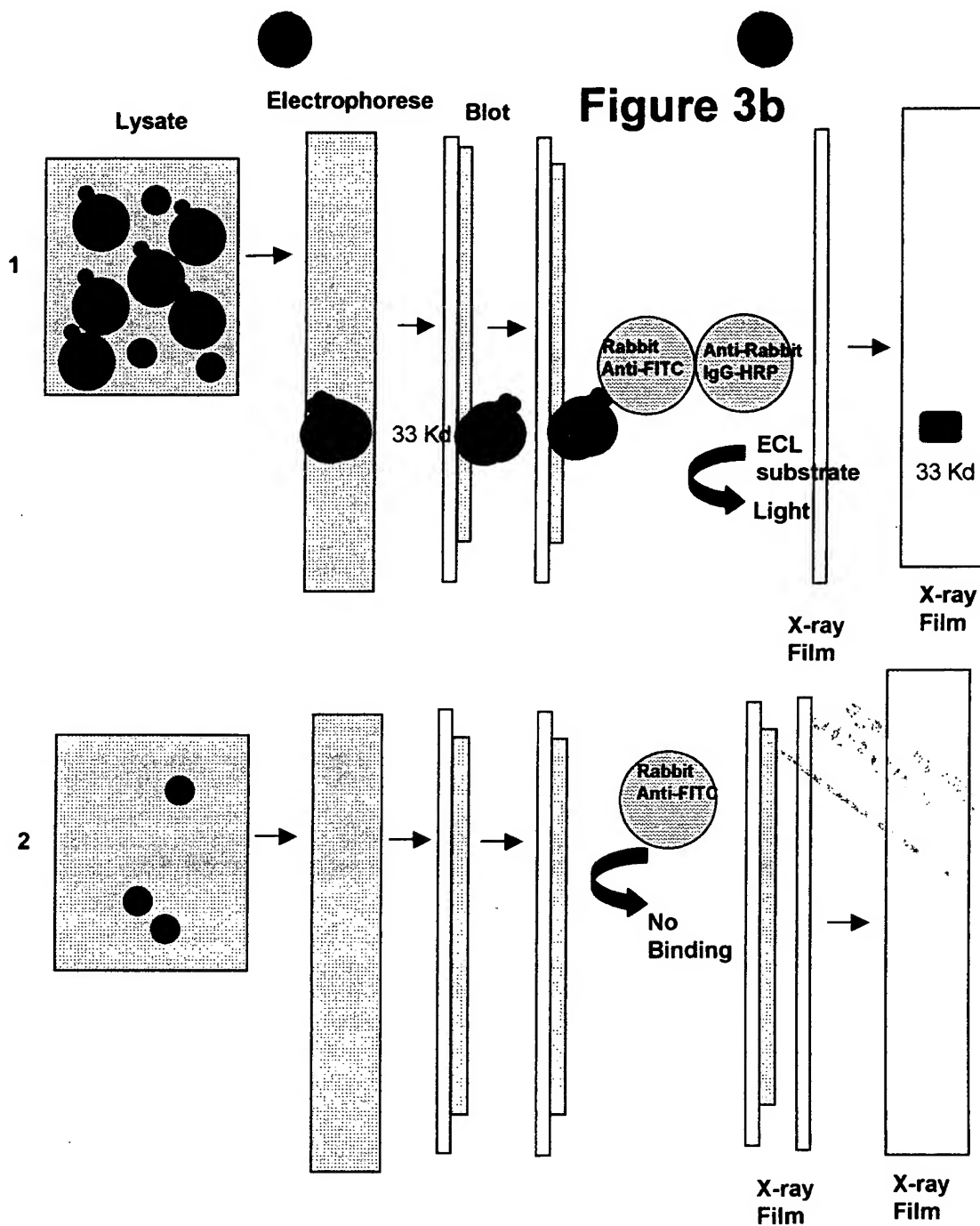


Figure 3a



Inventor: Philip Cavanaugh. **Application Number:** 10/002,690
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Lysates



Inventor: Philip Cavanaugh. **Application Number:** 10/002,690
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Figure 4

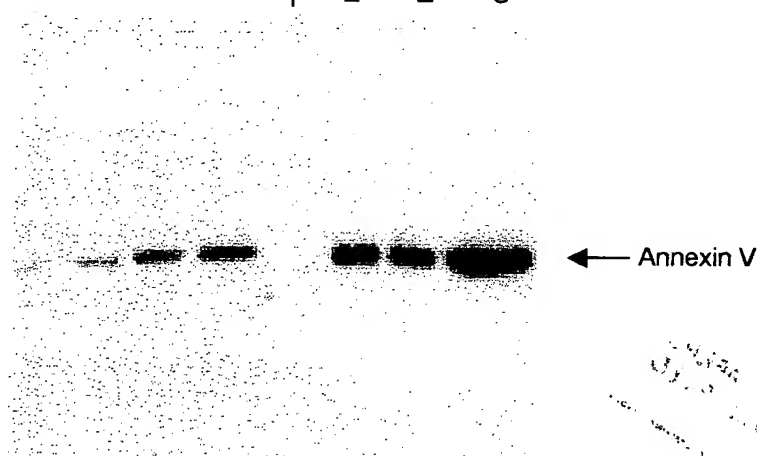
A.

FITC-Annexin V Standards:
amount applied to gel (ug):

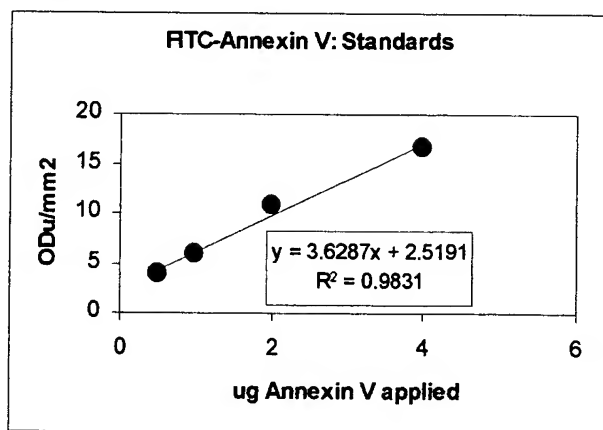
0.5 1 2 4

MTLn3 Cell Lysates:
(8ug cell protein per well)
Treatment:

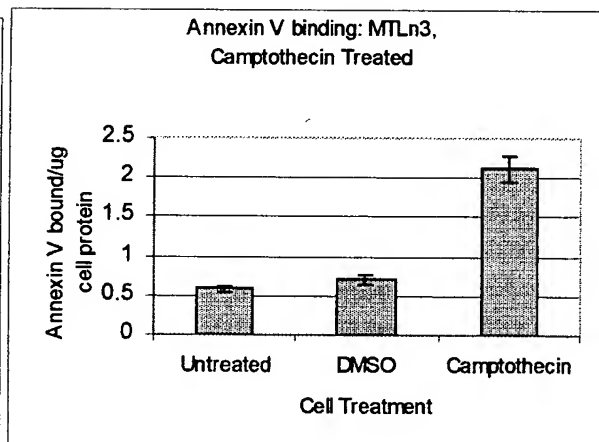
None DMSO Camptothecin



B.



C.



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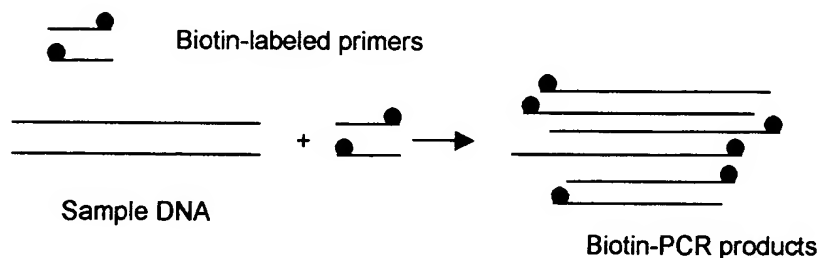
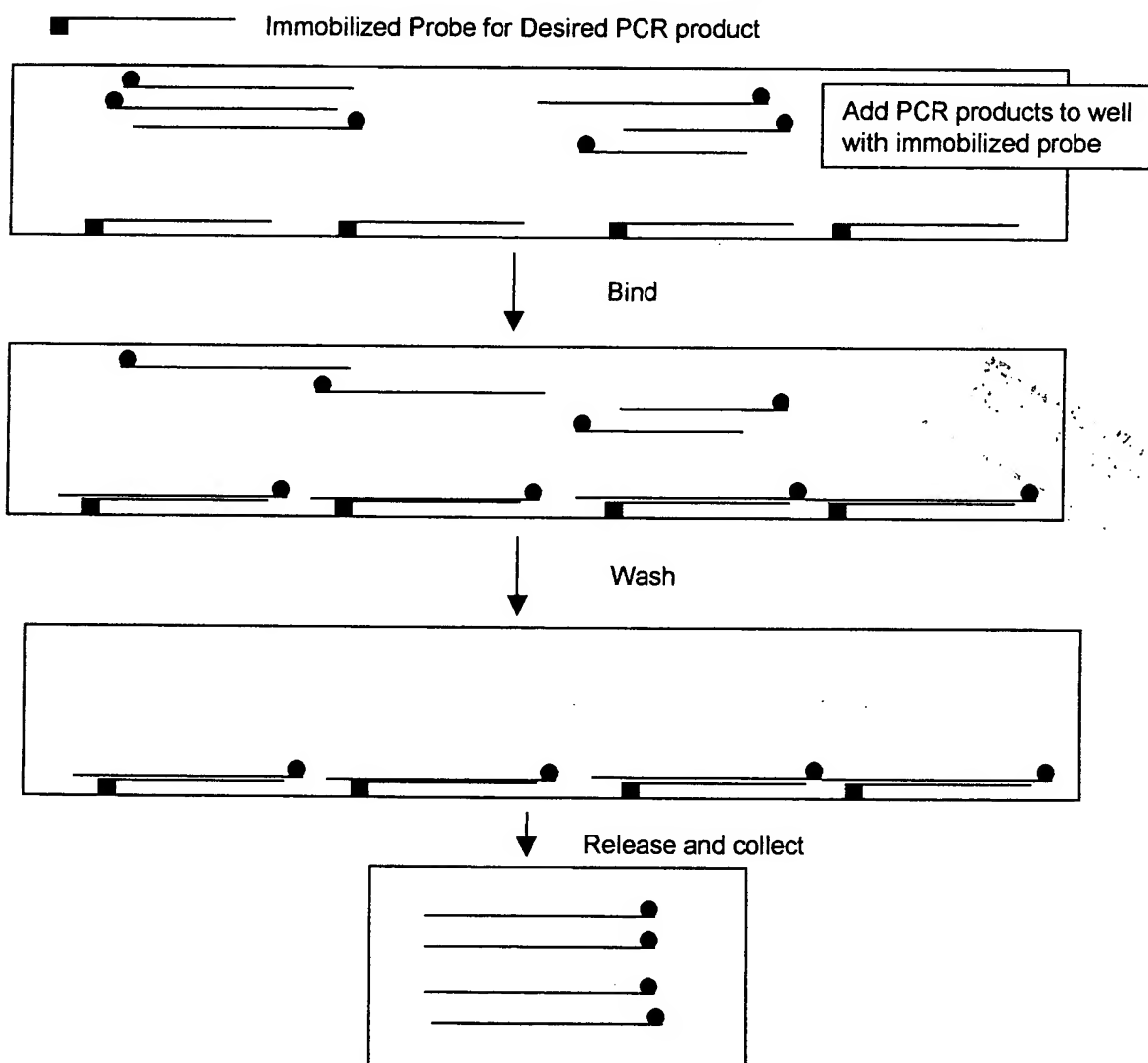


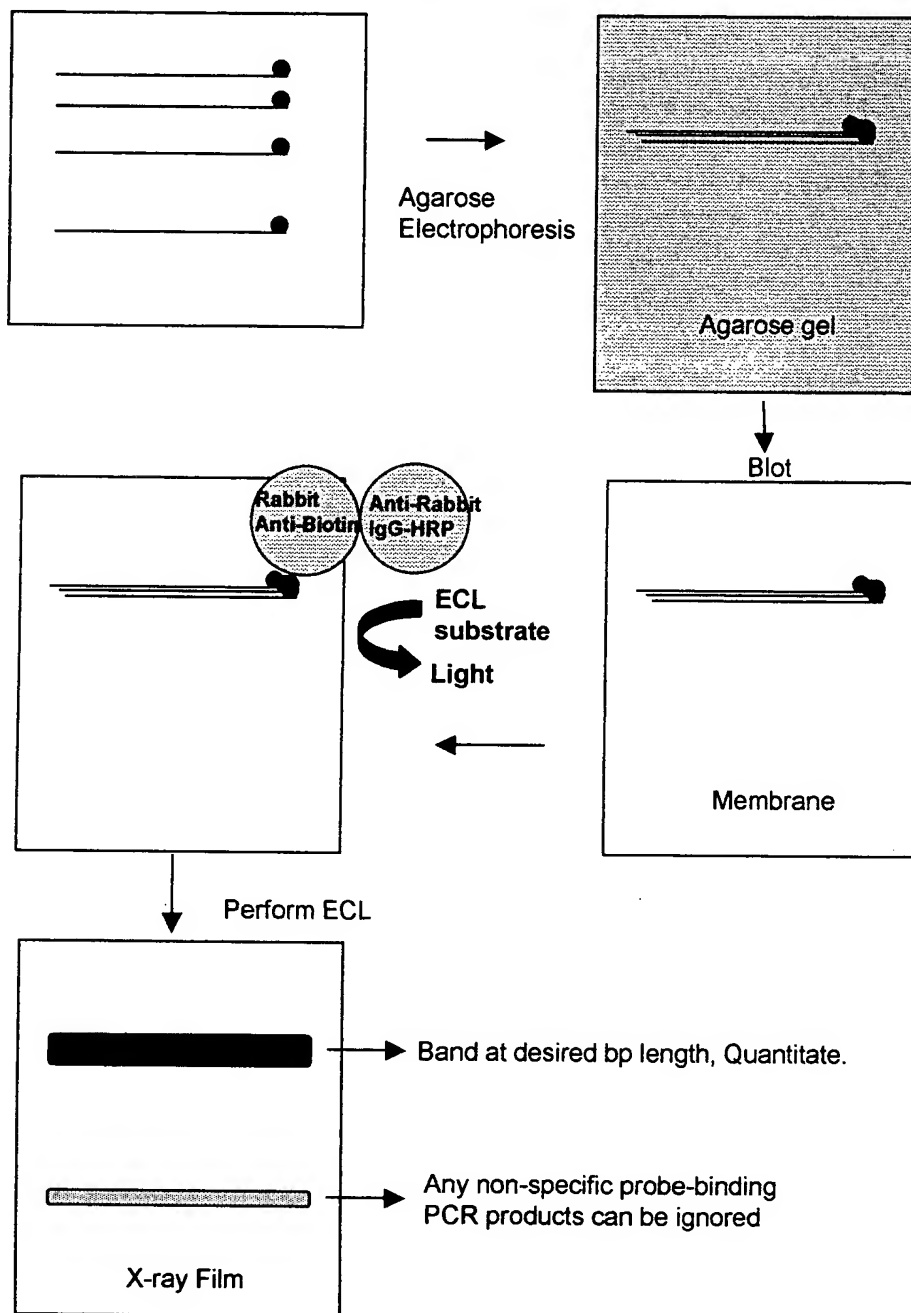
Figure 5a



Inventor: Philip Cavanaugh. **Application Number:** 10/002,690
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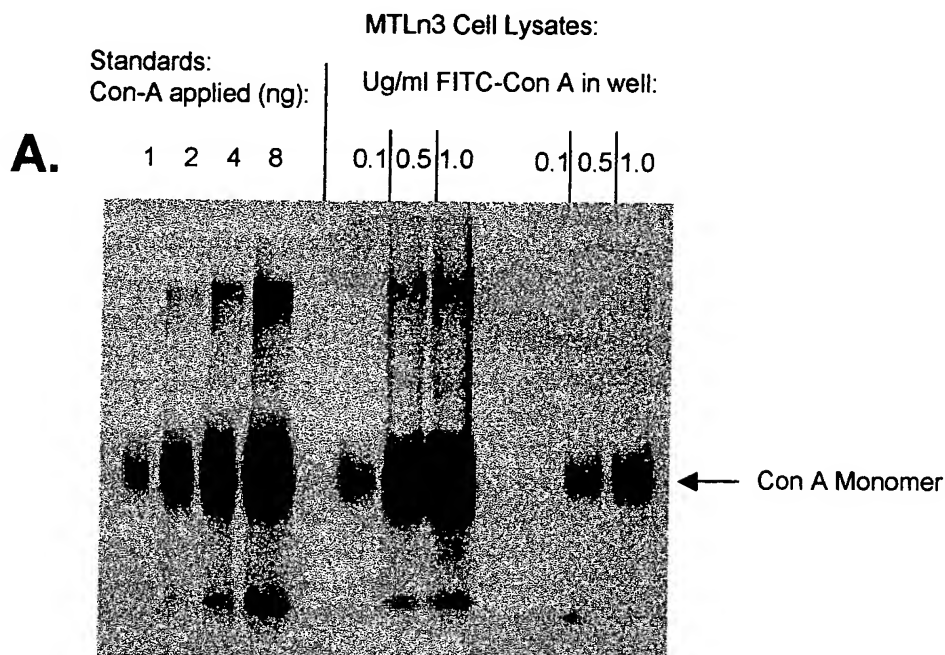
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Figure 5b

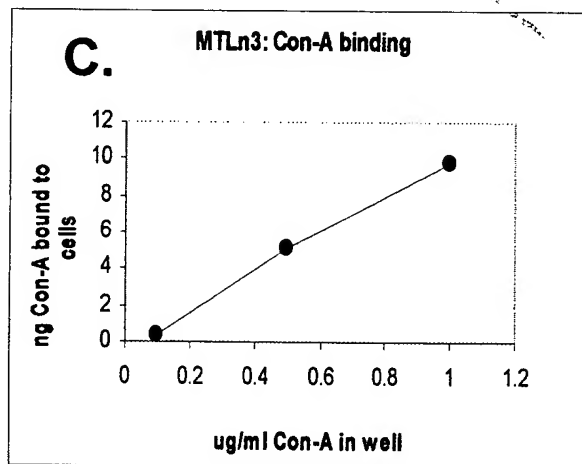
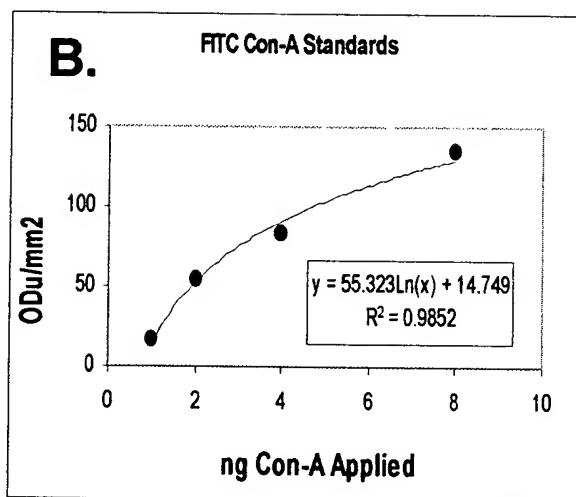


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Figure 6.



→ + 200 ug/ml native Con-A



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A. Standards:

Ng FITC-Con A
/Standard:

0.2

0.4

0.8

1.6

B. MTLn3 Cell Lysates:

(4 μ L each lysate blotted)

μ g/ml Initial
FITC-ConA:

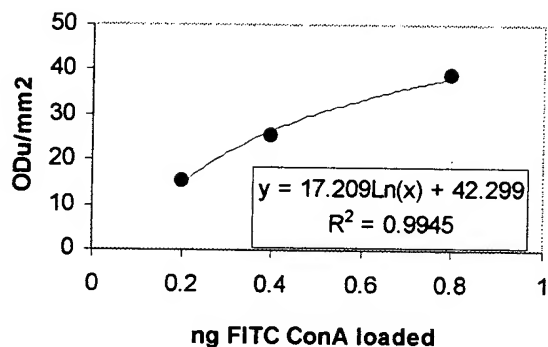
0.1

0.5

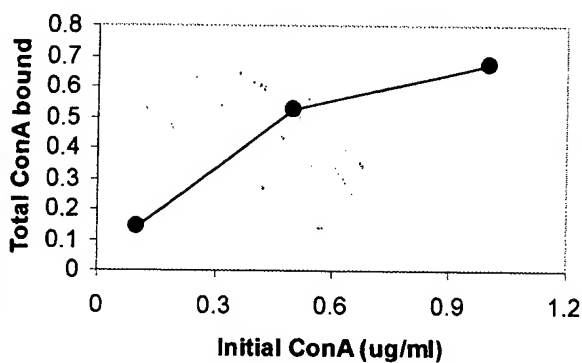
1.0

→ + Excess Un-conjugated Con-A

C. FITC ConA Dot Blot: Standards



D. MTLn3: FITC-ConA Binding (Dot Blot)

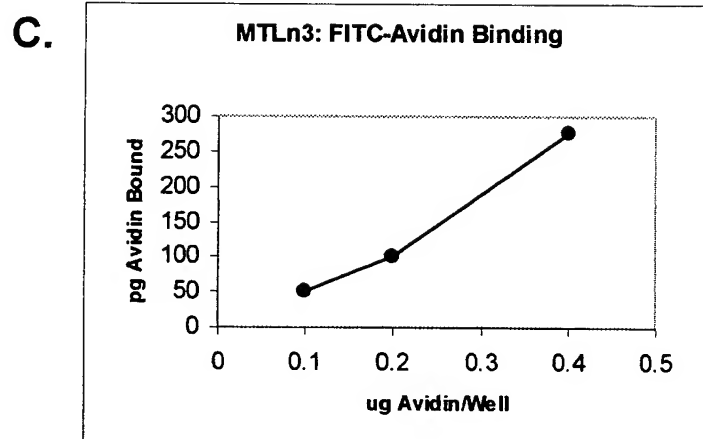
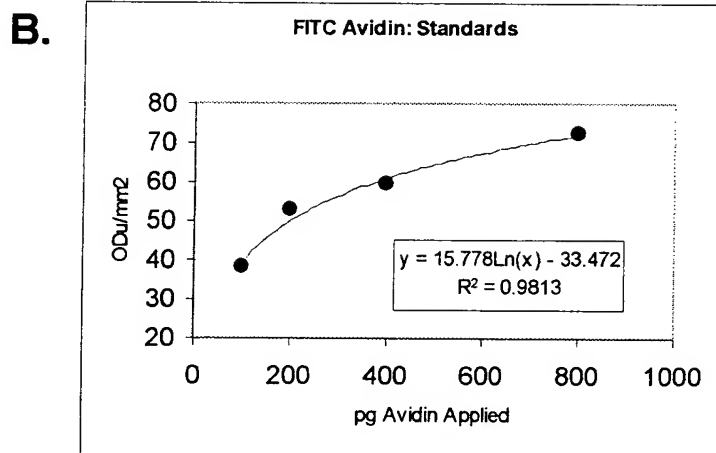
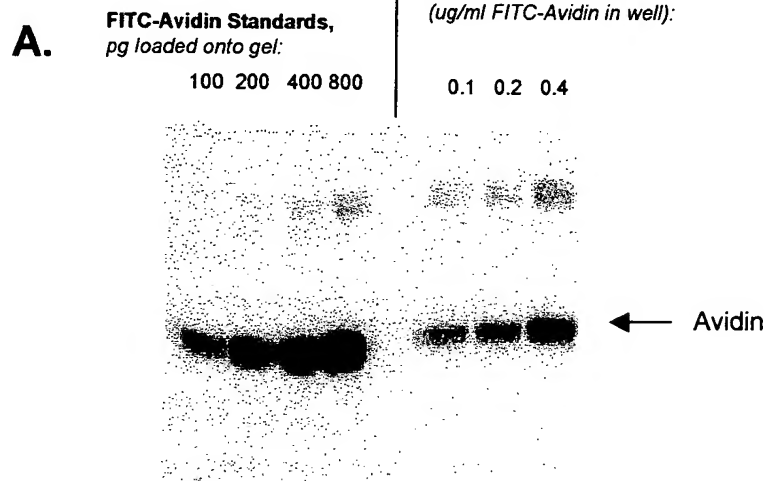


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Figure 7

205020" 0692000T

Figure 8



Inventor: Philip Cavanaugh. **Application Number:** 10/002,690
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205050" 0692000T

Mr (Kd):

12

6

Insulin →

1 2 4 ng

FITC-Insulin Standards

+Cold

Cell Lysate

2 20 ul

Cell Unbound

Mr (Kd):

12

6

Insulin

1 2 4 ng

FITC-Insulin Standards

+Cold
Cell
Lysate

2 20 ul

Cell
Unbound

Figure 9: FITC-Insulin binding by K562 cells.

Inventor: Philip Cavanaugh. **Application Number:** 10/002,690
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